

Abstract

An apparatus for applying light to a site to be treated on a wall of a vessel in the human or animal body, in particular for laser welding of two vessels to one another, has a light-feeding instrument that guides light generated by an extracorporeal light source to the site and radiates it onto the latter. The light-feeding instrument has an elongated optical conductor that can be inserted into the lumen of the vessel and can be displaced therein in the longitudinal direction of the vessel, and has light-deflecting means that direct the light fed through the optical conductor in a substantially radial fashion onto the site to be treated.